We claim:

1. A container for preservation of produce having incorporated thereon a mixture of resin and powder spinel, AB_2O_4 wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc, B is aluminum, trivalent iron, trivalent manganese, or trivalent chromium, and O oxygen.

2. The container of claim 1 wherein said spinel emits radiation in the wavelength range of 3-30 micron.

3. The container of claim 1 wherein the mixture of spinel to resin is in the ratio of from 1:9 to 1:49 by weight.

4. The container of claim 3 wherein the preferred ratio of spinel to resin is 1:19 by weight.

5 A container for preservation of produce having incorporated thereon a mixture of resin and powder spinel, AB_2O_4 , wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc, B is aluminum, trivalent manganese, or trivalent chromium, and O oxygen.

6. The container of claim 5 wherein said spinel emits radiation in the wavelength range of 3-18 micron

7. A process of preserving produce comprising subjecting said produce to the irradiation of a spinel AB_2O_4, wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc. B is aluminum, trivalent iron, trivalent manganese, or trivalent chromium. O is oxygen

8. The process of claim 7 wherein the spinel irradiates in the 3-30 micron wave length.

9. The process of claim 7 wherein the preferred B components of spinel AB_2O_4, is aluminum, trivalent manganese, or trivalent chromium

10.. The process of claim 9 wherein said spinel emits a radiation of . 3-18. micron wave length.